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CLASSIFICATION:

EXHIBIT R-2, RDT&E Budget Item Justification							DATE: February 2002				
APPROPRIATION/BUDGET ACTIVITY RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY / BA-5						R-1 ITEM NOMENCLATURE 0604217N S-3 Weapon System Improvement					
COST (\$ in Millions)	Prior Year Cost		FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Cost to Complete	Total Program
Total PE Cost	37.156		0.435	0.424	0.422						38.437
H0489 S-3 WSIP	37.156		0.435	0.424	0.422						38.437
Quantity of RDT&E Articles	Not Applicable										
<p>(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: The current program provides continuation of a series of progressive modular improvements which began with the S-3 Weapons System Improvement Program (WSIP) Phase I (S-3A modified to S-3B configuration). Based upon the S-3 WSIP Operational Requirement, the full program achieves the required multi-mission operational capability through continuous time-phased, selective mission avionics processing upgrades that are pursued in priority order. Initial Nunn-funded development focused on the Co-Processor Memory Unit (CPMU) hardware, a joint U.S./Canadian industrial base development program which provides the core processing capability and open architecture required for future modular S-3B modification. This program will complete CPMU integration and test and rewrite existing Tactical Mission Program (TMP) code into Ada higher-order language. Ada TMP development and CPMU integration will be leveraged to provide for sensor and connectivity enhancements in conjunction with the S-3B Surveillance System Upgrade (SSU) Project.</p> <p>(U) JUSTIFICATION FOR BUDGET ACTIVITY: This program is funded under Engineering and Manufacturing Development because it encompasses engineering and manufacturing development of new end-items prior to production approval decision.</p>											

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EXHIBIT R-2a, RDT&E Project Justification								DATE: February 2002			
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-5		PROGRAM ELEMENT NUMBER AND NAME 0604217N CSA Development				PROJECT NUMBER AND NAME H0489 S-3 WSIP					
COST (\$ in Millions)	Prior Year Cost		FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Cost to Complete	Total Program
Project Cost	37.156		0.435	0.424	0.422						38.437
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<p>(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: The current program provides continuation of a series of progressive modular improvement which began with the S-3B Weapon System Improvement Program (WSIP) Phase I (S-3A modified to S-3B configuration). Based upon the S-3 WSIP Operational Requirement, the full program achieve the required multi-mission operational capability through continuous time-phased, selective mission avionics/processing upgrades that are pursued in priority order. Initial Nunn-funded development focused on the Co-Processor Memory Unit (CPMU) hardware, a joint U.S./Canadian industrial base development program, which provides the core processing capability and open architecture required for future modular S-3B modification. This program will complete CPMU integration and test and rewrite existing Tactical Mission Program (TMP) code into Ada higher order language. Ada TMP development and CPMU integration will be leveraged to provide for sensor and connectivity enhancements in conjunction with the S-3B Surveillance System Upgrade (SSU) project.</p> <p>(U) PROGRAM ACCOMPLISHMENTS AND PLANS:</p> <p>1. FY 2001 ACCOMPLISHMENTS: (U) (\$.435) Initiated support of Ada operational software testing.</p> <p>2. FY 2002 PLANS: (U) (\$.411) Continue support of Ada operational software development and testing. (U) (\$.013) Portion of extramural program reserved for Small Business Innovation Research assessment in accordance with 15 USC 638.</p> <p>3. FY 2003 PLANS: (U) (\$.422) Complete support of Ada operational software development and testing.</p>											

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EXHIBIT R-2a, RDT&E Project Justification						DATE:	
						February 2002	
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT NUMBER AND NAME			PROJECT NUMBER AND NAME		
RDT&E, N / BA-5		0604217N CSA Development			H0489 S-3 WSIP		
(U) B. PROGRAM CHANGE SUMMARY:							
		<u>FY2001</u>	<u>FY2002</u>	<u>FY2003</u>			
(U) FY 2002 President's Budget:		0.450	0.428				
(U) Adjustments from the FY2002 President's Budget:		-0.015	-0.004				
(U) FY2003 President's Budget Submit:		0.435	0.424	0.422			
CHANGE SUMMARY EXPLANATION:							
(U) Funding: The FY2001 net decrease of \$.015 million consists of a decrease for a Small Business Innovative Research Assessment (\$.016M) offset by increased requirements for the S-3 Weapon System Improvement program (\$001M). The FY2002 net decrease of \$.004 million consists of a decrease for an undistributed congressional reduction.							
(U) Schedule: Not Applicable.							
(U) Technical: Not Applicable.							
(U) C. OTHER PROGRAM FUNDING SUMMARY:							
<u>Line Item No. & Name</u>	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 To Complete
APN S-3 OSIP (04-96)	10.135	5.429	2.529	0.110	0	0	0 0

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APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-5	PROGRAM ELEMENT NUMBER AND NAME 0604217N CSA Development	PROJECT NUMBER AND NAME H0489 S-3 WSIP																											
<p>(U) D. ACQUISITION STRATEGY: The Operational Requirements Document (ORD) was signed on 27 March 1997. The Acquisition Plan was number 90-14 and was approved on 17 October 1994. The contract is a Cost Plus Fixed Fee (CPFF) and was awarded to Lockheed Martin, Eagan, MN on 28 July 1995.</p> <p>(U) E. SCHEDULE PROFILE:</p> <table><thead><tr><th></th><th><u>FY 2001</u></th><th><u>FY 2002</u></th><th><u>FY 2003</u></th><th><u>TO COMPLETE</u></th></tr></thead><tbody><tr><td>(U) Program Milestones</td><td>1Q/01 ADA Fleet Introduction</td><td></td><td>IOC 2Q/03</td><td></td></tr><tr><td>(U) Engineering Milestones</td><td></td><td></td><td></td><td></td></tr><tr><td>(U) T&E Milestones</td><td>1Q/01 ADA OT&E Start</td><td>1Q/02-4Q/02 ADA OT&E Continue</td><td>1Q/03 ADA OT&E Complete</td><td></td></tr><tr><td>(U) Contract Milestones</td><td></td><td></td><td></td><td></td></tr></tbody></table>						<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>TO COMPLETE</u>	(U) Program Milestones	1Q/01 ADA Fleet Introduction		IOC 2Q/03		(U) Engineering Milestones					(U) T&E Milestones	1Q/01 ADA OT&E Start	1Q/02-4Q/02 ADA OT&E Continue	1Q/03 ADA OT&E Complete		(U) Contract Milestones				
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